HW#15H: Name, Classify, & Measure Angles

Honors Geometry

Due Date: Monday, Oct. 6th, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Directions:** Failure to show all work and write in complete sentence will result in LaSalle!

|  |  |  |
| --- | --- | --- |
| 1) Name three angles. Name the vertex.    Vertex: | 2) Name three different angles 6 ways. Name the vertex.  *M*  Vertex: | 3) Name three different angles 6 ways. Name the vertex.  *R*  Vertex: |

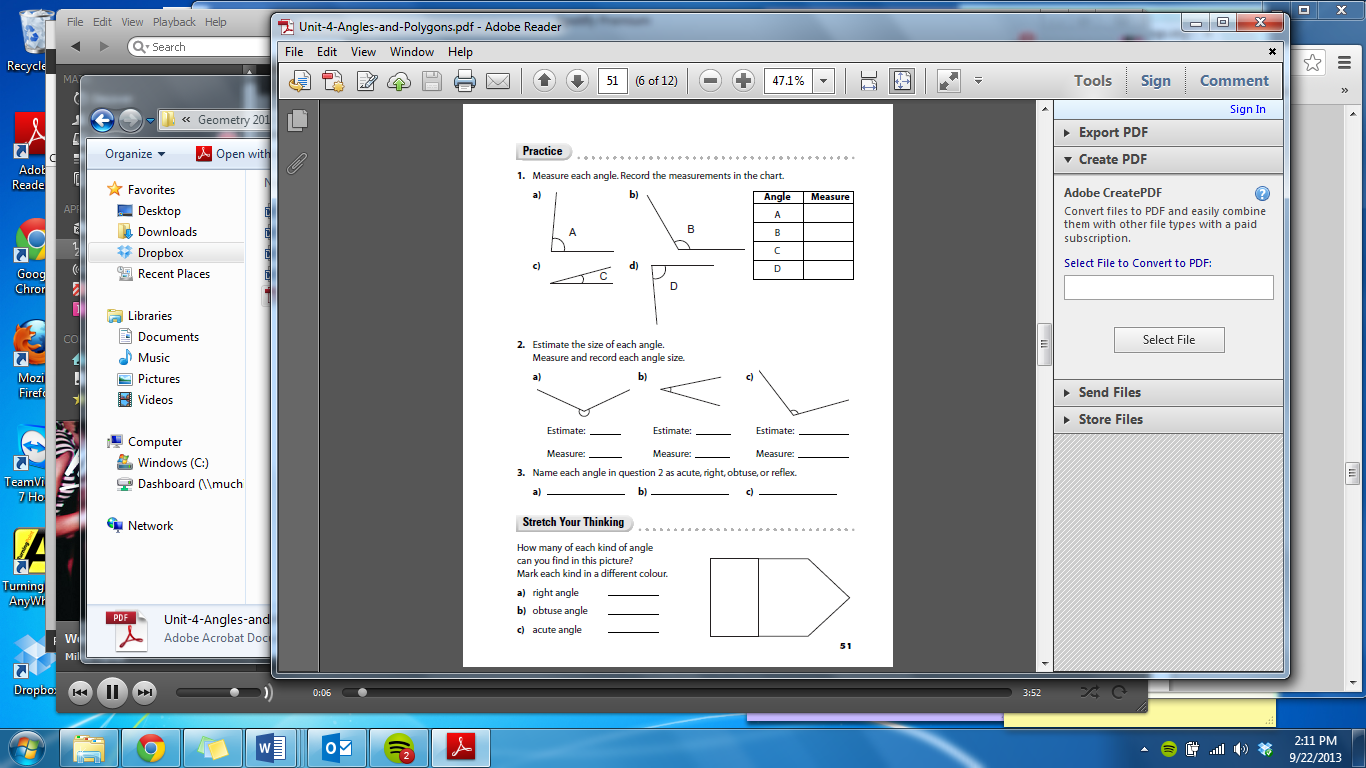
Give another name for the angle in the diagram. Tell whether the angle appears to be acute, obtuse, right, or straight.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4)     |  |  | | --- | --- | | 1. ∠*JKN* 2. ∠*KMN* 3. ∠*PQM* 4. ∠*JML* 5. ∠*QPN* 6. ∠*PLK* | \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | 5)     |  |  | | --- | --- | | 1. ∠*HGM* 2. ∠*KLG* 3. ∠*KJM* 4. ∠*JKL* 5. ∠*HML* 6. ∠*GJK* | \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

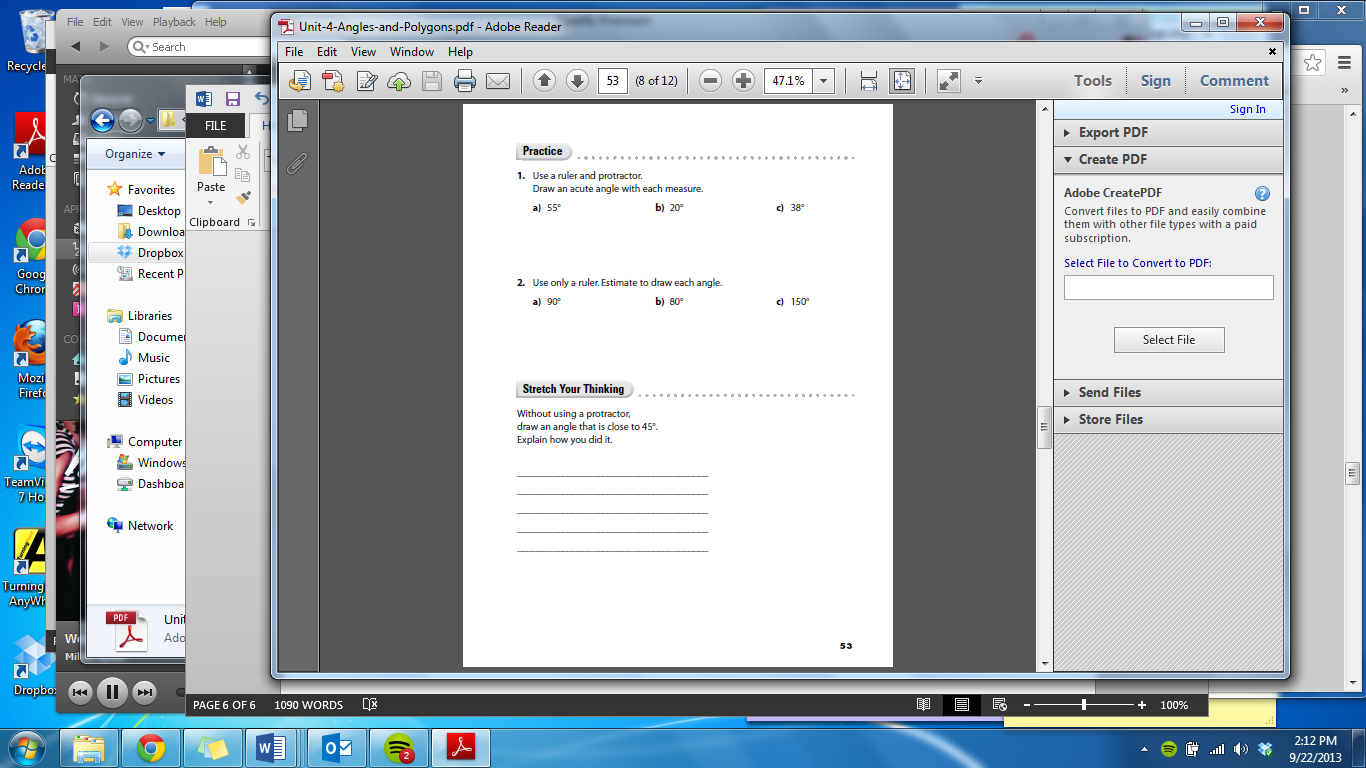
Tell whether the statement is *always, sometimes,* or *never* true*.* ***Explain your reasoning and show an example and non-example.***

6) The measures of two acute angles add up to 90°.

7)



8)



9)

